Mitchell, Brian

From: Mitchell, Brian
Sent: Friday, August 07, 2020 1:59 PM
To: Graesch, Matthew
Subject: FW: Copies of the Final LIMS data for ASR #8596 (Downtown Wells & Former Electrolux site) with the eCOC attached, Excel, Scribe and Property Report LIMS files, and the Online ASR Sample/Data Disposition and Customer Satisfaction Survey
Attachments: Final LIMS data ASR 8596 eCOC.pdf; Final Excel files ASR 8596.xlsx; Final Scribe data ASR 8596.TXT; Final LIMS Property Report ASR 8596.pdf

Didn't find much.

Brian Mitchell
RCRA Corrective Action Officer
EPA Region 7
LCRD/ROAG
2.3 – P44
11201 Renner Blvd
Lenexa, Kansas 66219
913-551-7633 work
816-304-4158 cell

From: Roblez, Nicole <Roblez.Nicole@epa.gov>
Sent: Wednesday, August 05, 2020 11:51 AM
To: Mitchell, Brian <Mitchell.Brian@epa.gov>
Cc: R7 LIMS Admin <R7_LIMS_Admin@epa.gov>
Subject: Copies of the Final LIMS data for ASR #8596 (Downtown Wells & Former Electrolux site) with the eCOC attached, Excel, Scribe and Property Report LIMS files, and the Online ASR Sample/Data Disposition and Customer Satisfaction Survey

Attached are the electronic copies of the Final, Excel, Scribe and Property Report LIMS data files for ASR #8596 (Downtown Wells site and Former Electrolux site).

In addition, the electronic Chain of Custody (COC) record is attached to the above copy of the final LIMS data transmittal for ASR #8596. Please ensure that you file this electronic (.pdf only) transmittal in your records management system as a record. The Regional Laboratory will now retain all the electronic or hard copy documentation (e.g. COC[s] and/or the LIMS field sheet[s], etc) according to our LSASD records management system.

ACTION REQUIRED: Please complete the online ASR Sample/Data Disposition and Customer Satisfaction Survey for ASR #8596.

[redacted]

It is critical that we receive your response in accordance to RCRA and the laboratory accreditation. Lack of a response does not guarantee that the laboratory will not dispose of the samples after 30 days.

We look forward to hearing from you.

Thank you!
Nicole Roblez
U.S. EPA - Region 7
LSASD/LTAB
300 Minnesota Ave.
Kansas City, KS 66101
913-551-5130
roblez.nicole@epa.gov

United States Environmental Protection Agency
Region 7
300 Minnesota Avenue
Kansas City, KS 66101

Date: 08/05/2020

Subject: Transmittal of Sample Analysis Results for ASR #: 8596

Project ID: BMFESDWS

Project Description: Downtown Wells site and Former Electrolux site

From: Margaret E.W. St. Germain, Chief
Laboratory Technology & Analysis Branch
Laboratory Services and Applied Sciences Division

MARGARET ST. GERMAIN

Digitally signed by MARGARET ST. GERMAIN
Date: 2020.08.05 11:03:53 -05'00'

To: Brian Mitchell
LCRD/ROAG

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. These results are based on samples as received at the Science and Technology Center. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please ensure that you file this electronic (.pdf only) transmittal in your records management system. The Regional Laboratory will now retain all of the original hardcopy documentation (e.g. COC[s] and the R7LIMS field sheet[s], etc.) according to our LSASD records management system.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the Online ASR Sample/Data Disposition and Customer Survey for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Online ASR Sample/Data Disposition and Customer Survey. It is critical that we receive your response in accordance to RCRA and the laboratory accreditation.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Project Manager: Brian Mitchell **Org:** LCRD/ROAG **Phone:** 913-551-7633

Project ID: BMFESDWS **QAPP Number:** 2020006

Project Desc: Downtown Wells site and Former Electrolux site

Location: Jefferson **State:** Iowa **Program:** Superfund

Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Purpose: Site Preliminary Assessment **GPRA PRC:** 000DD2

CERCLIS ID: IAD047055140. GW sampling for preliminary assessment and site investigation.

EPA PM (BM)/TT sampler noted on the submitted ASR dated 6/3/2020 that this activity is not part of a litigation hold activity at this time.

GPRA/site code (+OU) ok per DB on 6/3/2020.

Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of sample for quality control purpose.

__ = Field Sample
FB = Field Blank
FD = Field Duplicate

Units: Specific units in which results are reported.

ug/L = Micrograms per Liter

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank)= Values have been reviewed and found acceptable for use.
UJ = The analyte was not detected at or above the reporting limit. The reporting limit is an estimate.
U = The analyte was not detected at or above the reporting limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.

ASR Number: 8596 **Sample Information Summary** **08/05/2020**

Project ID: BMFESDWS **Project Desc:** Downtown Wells site and Former Electrolux site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1	__	Water	GW-12		07/06/2020	11:35			07/09/2020
2	__	Water	GW-09		07/06/2020	16:00			07/09/2020
2	FD	Water	GW-09		07/06/2020	16:00			07/09/2020
4	__	Water	GW-07		07/06/2020	17:05			07/09/2020
5	__	Water	GW-11		07/06/2020	17:23			07/09/2020
6	__	Water	GW-08		07/06/2020	18:10			07/09/2020
7	__	Water	GW-07		07/07/2020	07:45			07/09/2020
8	__	Water	GW-14		07/07/2020	10:35			07/09/2020
9	__	Water	GW-15		07/07/2020	11:54			07/09/2020
9	FD	Water	GW-15		07/07/2020	11:54			07/09/2020
11	__	Water	GW-16		07/07/2020	13:50			07/09/2020
12	__	Water	GW-10		07/07/2020	11:15			07/09/2020
13	__	Water	GW-13		07/07/2020	12:35			07/09/2020
14	__	Water	GW-17		07/07/2020	15:45			07/09/2020
15	__	Water	Rinsate sample		07/07/2020	16:19			07/09/2020
16	__	Water	GW-18		07/07/2020	16:30			07/09/2020
17	__	Water	GW-19		07/08/2020	09:00			07/09/2020
18	__	Water	GW-21		07/08/2020	09:25			07/09/2020
19	FB	Water	Trip Blank sample		07/01/2020	07:18			07/09/2020
20	FB	Water	Field Blank sample		07/08/2020	10:49			07/09/2020

Analysis **Comments About Results For This Analysis**

1 VOCs in Water by GC/MS for Low Detection Limits

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Samples:							
	1-__	2-__	2-FD	4-__	5-__	6-__	7-__
	8-__	9-__	9-FD	11-__	12-__	13-__	14-__
	15-__	16-__	17-__	18-__	19-FB	20-FB	

Comments:

Samples -5, -7 and -13 were analyzed 1 day past their 7-day holing time. A holding time of 7-days is applicable since these samples were not acidified to a pH of <2.0. All positive results were reported with a J-code indicating that they are estimated values. The actual concentration of some or all analytes may have been higher than the reported result. The results for analytes that were not found at or above the reporting limit were UJ-coded to indicate that the reporting limit is an estimated value.

Cis-1,2 Dichloroethene, trans-1,2-Dichloroethene and 1,1-Dichloroethene were UJ-coded in samples -2 and -2FD. Chlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Ethyl Benzene, Isopropylbenzene, Styrene, Toluene, Tetrachloroethene, Trichloroethene, o-Xylene and m and/or p-Xylene were UJ-coded in sample -2. These analytes were not found in the samples at or above the reporting limits; however, the reporting limits are an estimate (UJ-coded) due to low recoveries of the surrogate analytes. The actual reporting limits for these analytes may be higher than the reported values.

Analysis/ Analyte	Units	1-__	2-__	2-FD	4-__
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	6.2	5.6	5.7	6.0
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 UJ	0.50 UJ	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 UJ	0.50 UJ	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 UJ	0.50 UJ	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
Methyl Acetate	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylcyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	1-__	2-__	2-FD	4-__
Trichloroethene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 UJ	0.50 U	0.50 U

Analysis/ Analyte	Units	5-__	6-__	7-__	8-__
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	16 J	6.3	19 J	8.5
Benzene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Bromochloromethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Bromodichloromethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Bromoform	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Bromomethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
2-Butanone	ug/L	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Carbon Disulfide	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Carbon Tetrachloride	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Chlorobenzene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Chloroethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Chloroform	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Chloromethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Cyclohexane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Dibromochloromethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,2-Dibromoethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Dichlorodifluoromethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,1-Dichloroethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,2-Dichloroethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,1-Dichloroethene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,2-Dichloropropane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Ethyl Benzene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
2-Hexanone	ug/L	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Isopropylbenzene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Methyl Acetate	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Methyl tert-butyl ether	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Methylcyclohexane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Methylene Chloride	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 UJ	5.0 U	5.0 UJ	5.0 U
Styrene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Tetrachloroethene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Toluene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 UJ	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U

Analysis/ Analyte	Units	5-__	6-__	7-__	8-__
Trichloroethene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Trichlorofluoromethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
Vinyl Chloride	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
m and/or p-Xylene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U
o-Xylene	ug/L	0.50 UJ	0.50 U	0.50 UJ	0.50 U

Analysis/ Analyte	Units	9-__	9-FD	11-__	12-__
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	6.2	7.1	8.1	5.7
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl Acetate	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylcyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	9-__	9-FD	11-__	12-__
Trichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

ASR Number: 8596 **RLAB Approved Sample Analysis Results** **08/05/2020**

Project ID: BMFESDWS **Project Desc:** Downtown Wells site and Former Electrolux site

Analysis/ Analyte	Units	13-__	14-__	15-__	16-__
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	6.4 J	6.8	11	5.5
Benzene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Bromochloromethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Bromomethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
2-Butanone	ug/L	5.0 UJ	5.0 U	5.0 U	5.0 U
Carbon Disulfide	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Chloroform	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Chloromethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Cyclohexane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	5.0 UJ	5.0 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Methyl Acetate	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Methylcyclohexane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Methylene Chloride	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 UJ	5.0 U	5.0 U	5.0 U
Styrene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Toluene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	13-__	14-__	15-__	16-__
Trichloroethene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 UJ	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	17-__	18-__	19-FB	20-FB
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	5.0 U	11	5.0 U	5.0 U
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	ug/L	0.50 U	0.67	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	29	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	0.50 U	1.6	0.50 U	0.50 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl Acetate	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylcyclohexane	ug/L	0.50 U	1.2	0.50 U	0.50 U
Methylene Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	17-__	18-__	19-FB	20-FB
Trichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	0.50 U	5.4	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL PROTECTION AGENCY REGION VII

EPA PROJECT MANAGER (Print)	SITE OR SAMPLING EVENT	DATE OF SAMPLE COLLECTION(S)	SHEET
Brian Mitchell	ASR #8596	07 (MONTH) 06-08 (DAY) 2020 (YEAR)	1 of 1

CONTENTS OF SHIPMENT

ASR AND SAMPLE NUMBER	TYPE OF CONTAINERS: 1-L PLASTIC BOTTLE	CANISTER	BOTTLE	BOTTLE	VOA SET (3 VIALS EA)	SAMPLED MEDIA: WATER	SO, L&D	HAZ WASTE	AIR	OTHER	RECEIVING LABORATORY REMARKS OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBER(S) OF CONTAINERS PER SAMPLE NUMBER										
8596-1					3	✓					
8596-2					1	✓					
8596-2-FD					1	✓					
8596-4					1	✓					
8596-5					1	✓					
8596-6					1	✓					
8596-7					1	✓					
8596-8					1	✓					
8596-9					1	✓					
8596-9-FD					1	✓					Some water LDL VOA vials were
8596-11					1	✓					rec'd at the STC with small air
8596-12					1	✓					bubble(s) &/or little sediment in them.
8596-13					1	✓					Lab has been informed to note &
8596-14					1	✓					proceed accordingly. Email sent to
8596-15					1	✓					EPA PM (BM) on 7/9/2020. nr7/9/2020
8596-16					1	✓					
8596-17					1	✓					
8596-18					1	✓					
8596-19-FB					1	✓					
8596-20-FB					1	✓					
											ASR is complete
											Cooler temperature rec'd between
											0-1 degC. nr7/9/2020

DESCRIPTION OF SHIPMENT

22 CONTAINER(S) CONSISTING OF _____ CRATE(S)

1 ICE CHEST(S): OTHER _____

MODE OF SHIPMENT

☐ COMMERCIAL CARRIER _____

☑ SAMPLER CONVEYED _____ (SHIPPING AIRBILL NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (PM/SAMPLER)	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
Ryan Slanczka Digitally signed by Ryan Slanczka Date: 2020.07.09 15:07:02 -05'00'	NICOLE ROBLEZ Digitally signed by NICOLE ROBLEZ Date: 2020.07.09 16:06:28 -05'00'	STC analyses
☐ SEALED ☐ UNSEALED	☐ SEALED ☐ UNSEALED	
RELINQUISHED BY (PM/SAMPLER)	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
☐ SEALED ☐ UNSEALED	☐ SEALED ☐ UNSEALED	
RELINQUISHED BY (PM/SAMPLER)	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
☐ SEALED ☐ UNSEALED	☐ SEALED ☐ UNSEALED	
RELINQUISHED BY (PM/SAMPLER)	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
☐ SEALED ☐ UNSEALED	☐ SEALED ☐ UNSEALED	